

(12)特許協力条約に基づいて公開された国際出願

(19) 世界知的所有権機関
国際事務局



(43) 国際公開日
2004年7月22日 (22.07.2004)

PCT

(10) 国際公開番号
WO 2004/060933 A1

(51) 国際特許分類: C08F 8/00, C08L 23/26

(74) 代理人: 恵田 博宣 (ONDA,Hironori); 〒500-8731 岐阜
県岐阜市大宮町2丁目12番地の1 Gifu (JP).

(21) 国際出願番号: PCT/JP2003/016662

(22) 国際出願日: 2003年12月25日 (25.12.2003)

(81) 指定国(国内): AE, AG, AL, AM, AT, AU, AZ, BA, BB,
BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE,
DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.

(25) 国際出願の言語: 日本語

(26) 国際公開の言語: 日本語

(30) 優先権データ:
特願 2002-379025

2002年12月27日 (27.12.2002) JP

(71) 出願人(本国を除く全ての指定国について): 日本油脂
株式会社 (NOF CORPORATION) [JP/JP]; 〒150-0013
東京都渋谷区恵比寿四丁目20番3号 Tokyo (JP).

(72) 発明者: および

(75) 発明者/出願人(本国についてのみ): 渡辺 勝成
(WATANABE, Yasumasa) [JP/JP]; 〒470-3232 愛知県
知多郡美浜町美浜緑苑3丁目16番地の3 Aichi
(JP). 中村 知之 (NAKAMURA,Tomoyuki) [JP/JP]; 〒
470-2357 愛知県知多郡武豊町字向陽1丁目31番
地の2 Aichi (JP). 岡田 博 (OKADA,Hiroshi) [JP/JP];
〒479-0803 愛知県常滑市猪原字長曾9番地の50
Aichi (JP).

(84) 指定国(広域): ARIPO 特許 (BW, GH, GM, KE, LS,
MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア特
許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ヨーロッ
パ特許 (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR), OAPI 特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

添付公開書類:

— 國際調査報告書

2文字コード及び他の略語については、定期発行される
各PCTガゼットの巻頭に掲載されている「コードと略語
のガイダンスノート」を参照。

WO 2004/060933 A1

(54) Title: METHOD FOR PRODUCING HYDROXYL-MODIFIED ETHYLENE- α -OLEFIN COPOLYMER

(54) 発明の名称: 水酸基変性エチレン- α -オレフィン系共重合体の製造方法

(57) Abstract: A hydroxyl-modified ethylene- α -olefin copolymer with excellent coating properties and adhesion properties can be produced by heating a mixture containing 100 parts by weight of an ethylene- α -olefin copolymer and 0.1-20 parts by weight of a peroxide having a hydroperoxy group. The heating temperature is set within a range from the 10-hour half-life temperature to the 1-minute half-life temperature of the peroxide.

(57) 要約: 塗装性や接着性の優れた水酸基変性エチレン- α -オレフィン系共重合体は、エチレン- α -オレフィン系
共重合体100重量部と、ヒドロペルオキシ基を有する過酸化物0.1~20重量部とを含む混合物を加熱するこ
とによって製造される。加熱温度は、過酸化物の10時間半減期温度~1分間半減期温度の範囲内に設定される。

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/16662

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ C08F8/00, C08L23/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ C08F8/00, C08L23/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPI (L)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 9-77826 A (Mitsui Petrochemical Industries, Ltd.), 25 March, 1997 (25.03.97), Claims; Par. Nos. [0137] to [0140] (Family: none)	1, 8, 9 2-7
X	EP 284425 A2 (Mitsui Petrochemical Industries, Ltd.), 28 September, 1988 (28.09.88), Pages 3 to 4 & JP 63-238106 A pages 4 to 5 & US 4943658 A	1, 8, 9 2-7

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	"X"	earlier document but published on or after the international filing date
"E"	"Y"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"L"	"&"	document referring to an oral disclosure, use, exhibition or other means
"O"		document published prior to the international filing date but later than the priority date claimed

Date of the actual completion of the international search 05 April, 2004 (05.04.04)	Date of mailing of the international search report 20 April, 2004 (20.04.04)
Name and mailing address of the ISA/ Japanese Patent Office	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/16662

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/0119319 A1 (Asahi Glass Co., Ltd.), 29 August, 2002 (29.08.02), Par. Nos. [0017] to [0018] & JP 2002-327018 A Par. Nos. [0016] to [0017] & EP 1236746 A1	2-7